stand-alone industrial media converter

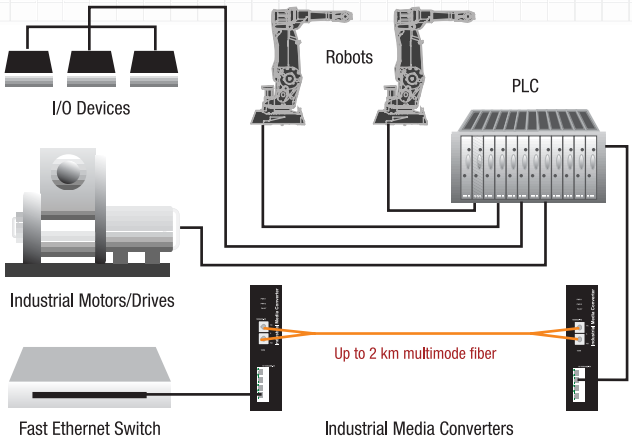
AUTO NEG | AUTO CROSS | LINK PASS THRU

Class 1 Div 2 Industrial Media Converter 10/100BASE-TX to 100BASE-FX

Industrial

SISTF101x-211-LRT

Industrial Media Converter



Transition Networks' Industrial Media Converters are hardened devices designed to reliably operate in harsh environments such as those found on factory floors, outdoor enclosures or other hazardous environments.

Eliminate EMI and RFI issues or overcome distance limitations with copper based cabling by using the Industrial Media Converter to convert your copper based equipment over to fiber optics. The media converter can connect to either 10Base-T or 100Base-TX ports and provides a 100Base-FX fiber optic connection for links up to 20 km.

Specifications

Standards	IEEE Std. 802.3, 802.3u, 802.3x
Status LEDs	**PWR (Power)**: ON = Unit has power connected **PWR 1 (Power)**: ON = primary power connected **PWR 2 (Power)**: ON = backup power connected **Fault**: ON = Power failure or port link failure **LNK/ACT (Ports 1 – 2)**: ON = Link; Flashing = data transmitting **HDX/FDX (Ports 1 – 2)**: ON = Full duplex mode **10/100 (UTP)**: ON = 100 Mbps
Dip Switches	**1:** Enable/Disable Port Alarms **2:** Enable/Disable Link Pass Through **3:** Full/Half Duplex 100BASE-FX **4:** Converter/Switch Mode
Dimensions	**Width**: 1.2" [30 mm] **Depth**: 3.7" [95 mm] **Height**: 5.5" [140 mm]
Ingress Protection	IP 30
Input Power	12 to 48 VDC, 0.2A-0.7A, redundant inputs with reverse polarity protection; Additional barrel connector; SISTF1011-211-LRT also supports 24 VAC (18~30 VAC)
Power Consumption	4.6 Watts
Environment	-40 to +75°C Ext. operating temp. 5 – 95% humidity non-condensing 0 – 10,000 ft. altitude -40 to +85°C storage temp.
Shipping Weight	2 lbs. [0.90 kg]
Safety Compliance	UL 60950; UL508; CSA C22.2 no 60950 UL Class 1 Div 2 for hazardous environments
EMI Compliance	CISPR/EN55022 Class A; FCC Class A; CE Mark; EN61000-4-2; EN61000-4-3; EN61000-4-4; EN61000-4-5; EN61000-4-6
Environmental Compliance	IEC60068-2-32 (Free fall) IEC60068-2-27 (Shock) IEC60068-2-6 (Vibration)
Warranty	Lifetime

Ordering Information

Extended Operating Temperature -40°C to +75°C

SISTF1013-211-LRT
(1) 10/100BASE-TX (RJ-45)
[100 m/328 ft.]
to (1) 100BASE-FX 1300nm MM (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB

SISTF1014-211-LRT
(1) 10/100BASE-TX (RJ-45)
[100 m/328 ft.]
to (1) 100BASE-FX 1310nm SM (SC)
[20 km/12.4 mi.] Link Budget: 17.0 dB

SISTF1011-211-LRT
(1) 10/100BASE-TX (RJ-45)
[100 m/328 ft.]
to (1) 100BASE-FX 1300nm MM (ST)
[2 km/1.2 mi.] Link Budget: 11.0 dB

Optional Accessories *(sold separately)*

External AC/DC Power Supply

SPS-UA12DHT
(100-240 VDC input
0°C to +70°C operating temperature)

25083
Universal AC/DC Input DIN Rail Mountable +12 VDC Power Supply

Features

- Auto-Negotiation
- AutoCross™
- Link Pass Through
- DIN Rail Mounting and Wall Mount Brackets Included
- Extended (-40°C to 75°C) operating temperature
- Dry Contact Relay Alarm Output
- Dual Auto-Sensing Redundant DC Power Inputs
- Media Converter Mode or Switch Converter Mode
- Barrel connector interface cable included for connecting external AC/DC power supply
- Class 1 Div 2

TRANSITION NETWORKS®

Transition Networks, Inc.
Worldwide Headquarters:
10900 Red Circle Drive
Minnetonka, MN 55343 USA

tel: 952.941.7600 / 800.526.9267
fax: 952.941.2322
info@transition.com
http://www.transition.com

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